

## ABSTRACT OF THE DISCLOSURE

A crushing chamber is formed between a concave liner and a mantle liner. The concave liner has a first area surface having a length of  $T$  to  $\sqrt{2}T$ ; a second and a third area surface; which surfaces are gradually inclined from the side of the inlet for the crushing chamber. The mantle liner has a first tapered surface having a length of greater than  $T$ , a cross angle of less than  $20^\circ$  and an inclination angle of greater than  $60^\circ$ ; a second tapered surface having a length of greater than  $0.5T$  and a cross angle of  $5^\circ$  to  $10^\circ$ ; and a third tapered surface having an inclination angle of  $45^\circ$  to  $50^\circ$ . The area surfaces as well as the tapered surfaces are continuously arranged in a curvilinear manner. The shapes enhance the throughput of goods in a good fine-crushing performance, reducing the uneven abrasion due to the action.